NETWORKING PEOPLE TOGETHER

HP-8501APg

Powerline Wireless Access Point

Quick Installation Guide

1. Introduction

1.1 Preface

Congratulations on your purchase of an Instant Powerline 85M Wireless Extender. The Powerline Extender is the perfect choice for a small group of PCs or wireless clients. While integratng wireless ability to powerline networks, this device is able to extend the network coverage of your home / office network.

1.2 Package Contents

Open the package carefully, and make sure that none of the items listed below are missing.

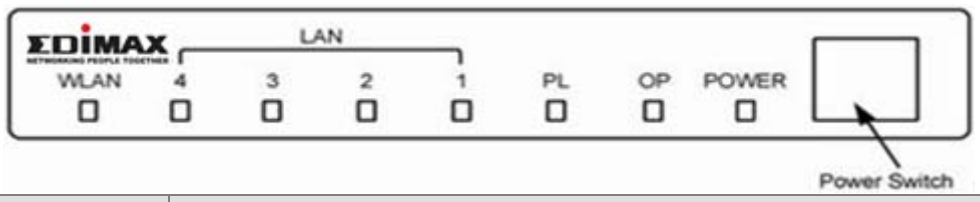
- Edimax HP-8501APg x 1
- Quick Installation Guide x 1
- CD-ROM (with Management Utility) x 1
- Ethernet RJ-45 Cable x 1
- 4.5dBi Antenna x 1
- Power cord x 1

If any item is missing or damaged, please contact your local resellers for service.

***Attention**: It is recommended to keep the original packing materials, in case of product service; the returned product shall be packed in the original or equivalent materials to protect it from damage during delivery.*

1.3 Hardware Introduction and Installation

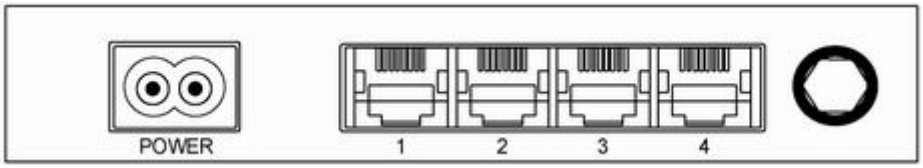
LED



LED	State	Description
POWER	ON	The HP-8501APg is powered on.
OP	Flashing	The HP-8501APg is running well.
PL	Flashing	Other PowerLine devices detected
LAN	ON	Ethernet link is present at this port
1-4	Flashing	TX or RX activity

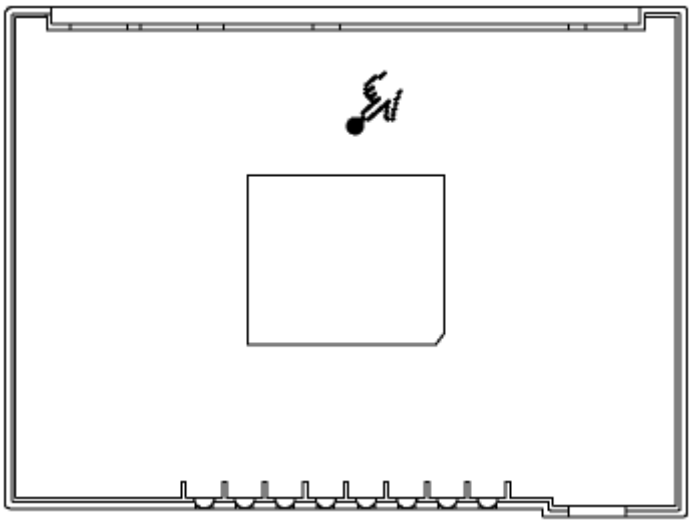
	OFF	Ethernet link is not present at this port
WLAN	ON	Wireless function on
	Flashing	Data transferring between HP-8501APg and wireless clients
	OFF	Wireless function off

Rear Ports



Connector	Description
POWER	Connect to power cord.
LAN (1-4)	Wireless Extender is connected to a device through the corresponding port (1, 2, 3 or 4). While data is sending or receiving by that port, corresponding LED will be flashing
Antenna	4dbi high gain antenna with R/SMA connecter.

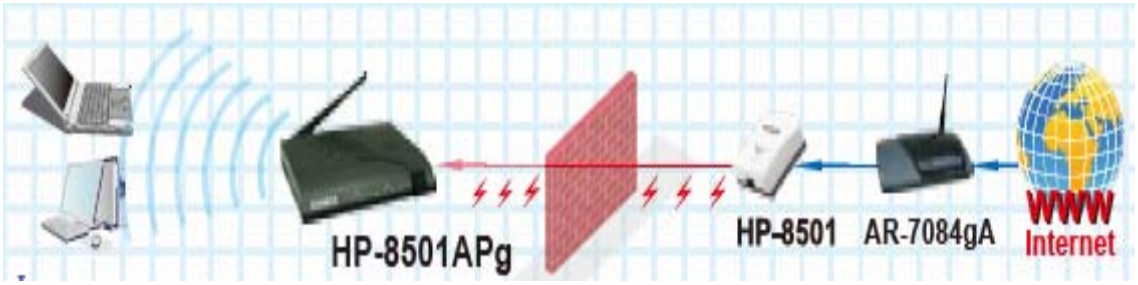
The Bottom Port (reset port)



Connector	Description
Reset	Press and hold this button for few seconds to clear all settings of HP-8501APg

Application:

Please setup your HP-8501APg as the following map .



2. Configuration

2.1 Connecting the Powerline Access Point to your network

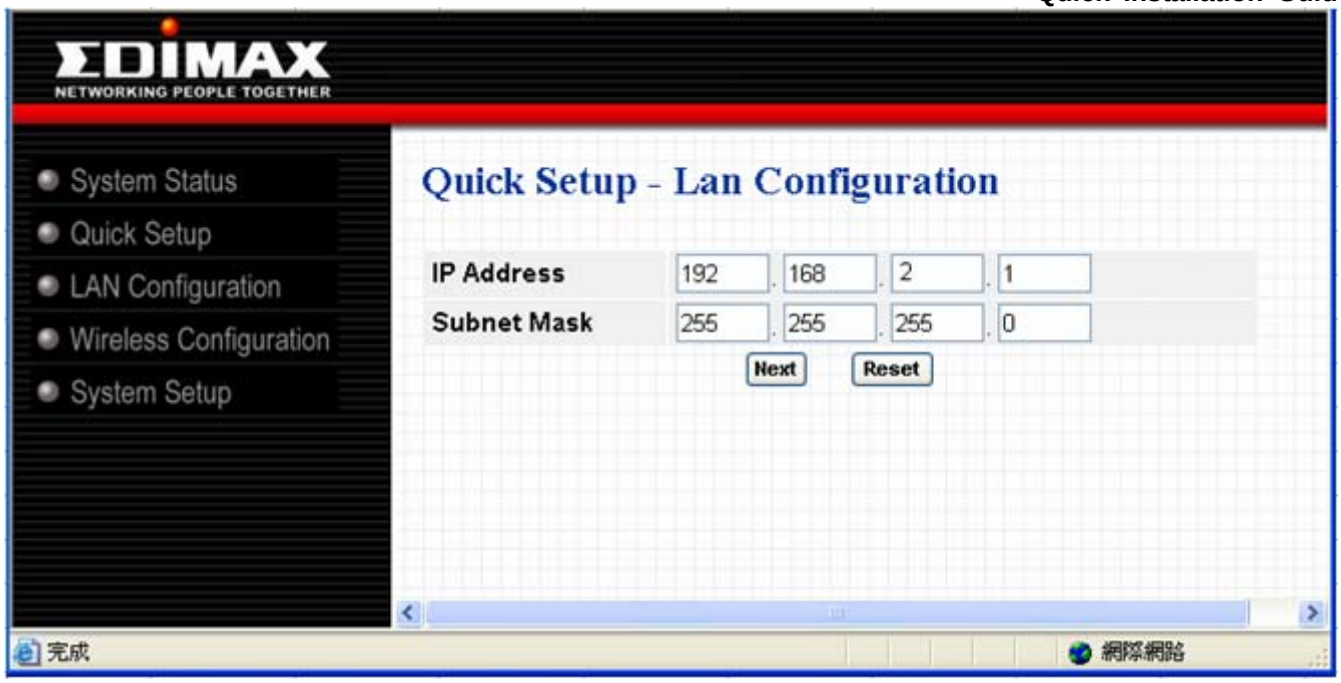
Please connect the your PC to one of LAN ports of HP-8501APg by Ethernet cable, then follow the instructions given in next section to configure your HP-8501APg. You can also connect other wired Ethernet devices to LAN ports of HP-8501APg at this time, too. However, before the configuration process of HP-8501APg is completed, wireless devices cannot connect to HP-8501APg.

2.2 Configuring with Web Browser

It is highly recommended to change the default administrator password to avoid unauthorized access to your Wireless AP. To configure the Wireless Extender, launch your browser, and type '**http://192.168.2.1**' in the address bar and click 'Go' to get to the Wireless AP login page.

Note：If you can not login the HP-8501APg , please study the Appendix A to check out your IP setting .

At the Password prompt, the User name is '**admin**' and the password is **'1234'.** You can change these later if you wish. Click **'OK**' to login.



You can use "**Quick Setup**" to setup the device, and choose the connection method you want to use.

Wireless Settings

Wireless Mode

You can select wireless operating mode here. Available options are: Auto (both 802.11b and 802.11g), 802.11b only, 802.11g only, and Disable (Wireless disabled)

SSID

SSID is the short for 'Service Set IDentifier'. Wireless devices use this identifier to identify which access point they should connect. You can change SSID here, and all your wireless devices should set to the same SSID.

Channel

The radio channel number that wireless network uses. All your wireless devices should set to the same channel. If you select 'Auto', Wireless Extender will choose a channel automatically, and your wireless clients should set channel to 'Auto' too. (In most cases, you don't have to set wireless channel for your wireless clients, they will pick a channel automatically)

Wireless Security

The Authentication type supports "Open system", "Shared key", "WPA-PSK", "WPA2-PSK" and "WPA-PSK/WPA2-PSK".

Example ：When you select WEP key, you have to enter WEP keys to encrypt data. You can generate the key by yourself and enter it. You can enter four WEP keys and select one of them as default key. Then the router can receive any packets encrypted by one of the four keys

System Setup

1) You can change the name of super user (administrator) account from admin to any name you wish to use by inputting a new name in ‘Account’ field.

2) If you downloaded latested firmware file from Edimax website, you can upload and update the firmware here. Click ‘browse’ to select firmware file you just downloaded, and click ‘Update’ to start update procedure. DO NOT CLOSE WEB BROWSER WINDOW OR REMOVE NETWORK CONNECTION DURING UPDATE, IF THE FIRMWARE UPDATE PROCESS FAILS, WIRELESS EXTENDER MAY NOT BE ABLE TO FUNCTION AGAIN!

3) Click ‘Factory Default’ to restore all settings of Wireless Extender to factory default settings.

4) Click ‘System Restart’ to restart the Wireless Extender.

3. Utility

Powerline Networking Utility

Note: The device is able to detect other powerline devices which is on the same power circuit automatically. You only need to install.this utility program when you want to enable the encrypt function of Powerline Extender to secure your data, or you have problem connecting other powerline devices.

Introduction of Configuration Utility

The configuration utility for Windows OS enables the user to search all Powerline Ethernet devices on the Powerline network; check data rate and performance, enables encryption, and performing diagnostics.

Installation

Please verify that no other Powerline Management Utilities are installed before installing this software. If other utilities are installed, uninstall them first and restart your computer before installing this software.

To install, insert the Windows OS configuration utility setup utility CD-ROM into the computer's CD-ROM or DVD-ROM drive. The Setup utility shall run automatically. Alternatively this can also be done manually by double clicking the setup.exe file on the CD. A welcome screen will be shown as *Figure 1*.

Click the **Next** button to continue.

Powerline Ethernet Adapter - InstallShield Wizard
Powerline Ethernet
HOME NET
Welcome to the InstallShield Wizard for Powerline Ethernet Adapter
The InstallShield(R) Wizard will install Powerline Ethernet Adapter on your computer. To continue, click Next.
WARNING: This program is protected by copyright law and international treaties.
< Back
Next >
Cancel

Figure 1: Install Shield Screen

After you finish the Utility installation , you can double click the following icon to enable the Utility .

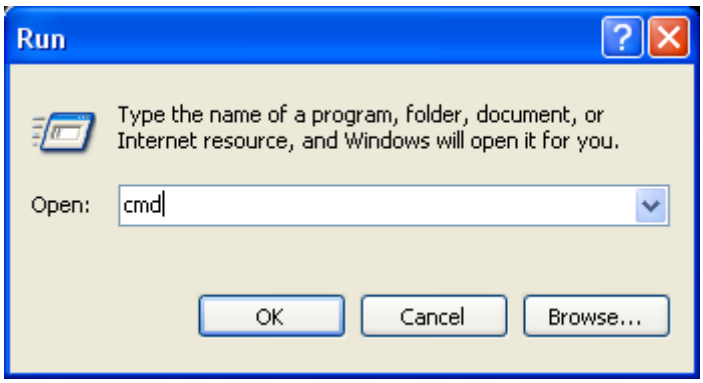
If you want to know the detail setting of the Utility , please study user's manual in the CD-ROM .

Appendix A：TCP/IP Settings

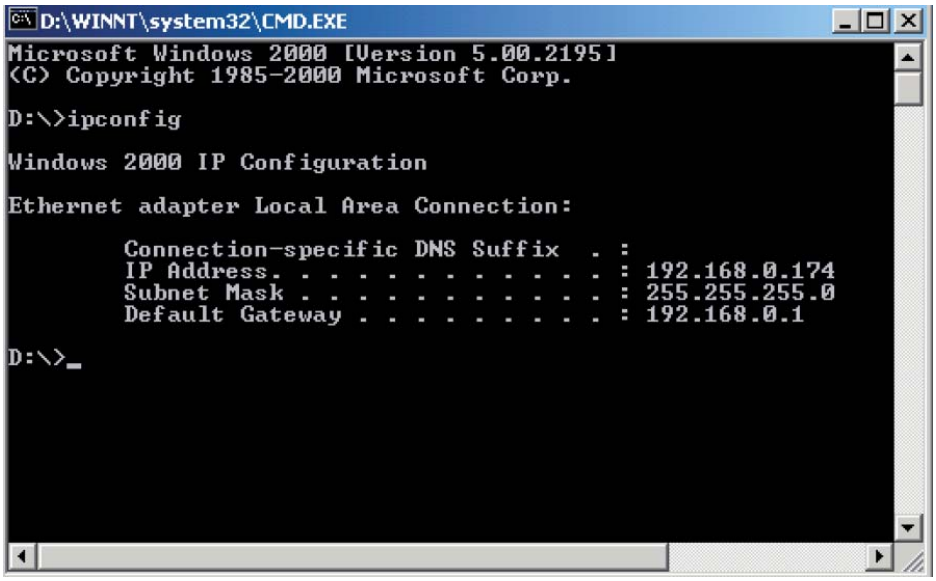
If you could not login the HP-8501APg , please check out PC's IP setting as follow ：

For Windows 2000/XP

- Click **Start**, then click **Run**.
- Type **cmd** then click **OK**.



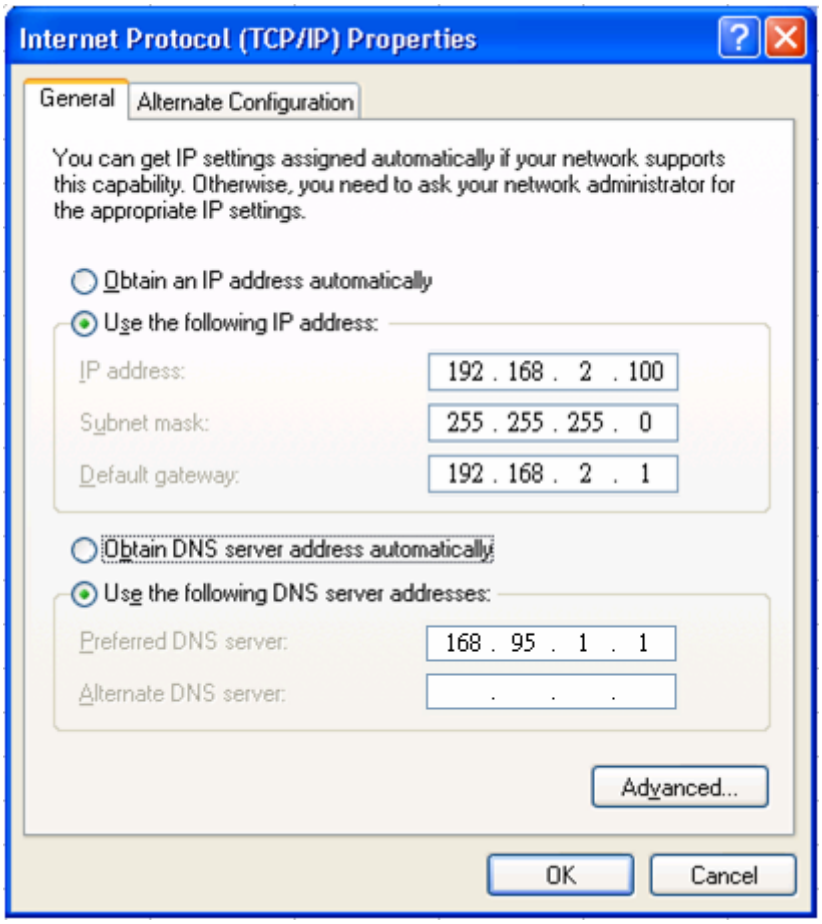
- From the command prompt, type **ipconfig**. It will return with your IP Address, subnet mask, and default gateway information.


D:\WINNT\system32\CMD.EXE
Microsoft Windows 2000 [Version 5.00.2195]
(C) Copyright 1985-2000 Microsoft Corp.
D:\>ipconfig
Windows 2000 IP Configuration
Ethernet adapter Local Area Connection:
Connection-specific DNS Suffix . :
IP Address. . . . . : 192.168.0.174
Subnet Mask . . . . . : 255.255.255.0
Default Gateway . . . . . : 192.168.0.1
D:\>

- Type exit to close the command prompt.
- Please check the IP address of default gateway. It should be the address of Wireless Access Point. By default, the IP address of Wireless Access Point is 192.168.2.1.

Assign a Static IP Address in Windows XP

- Click on **Start > Control Panel > Network and Internet Connections > Network connections**.
- Assign a static IP address 192.16.2.XXX . The range of XXX is 1~253 , and the "Default gateway" should be 192.168.2.1 as follows.


Internet Protocol (TCP/IP) Properties
General
Alternate Configuration
You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.
Obtain an IP address automatically
Use the following IP address:
IP address:
192 . 168 . 2 . 100
Subnet mask:
255 . 255 . 255 . 0
Default gateway:
192 . 168 . 2 . 1
Obtain DNS server address automatically
Use the following DNS server addresses:
Preferred DNS server:
168 . 95 . 1 . 1
Alternate DNS server:
Advanced...
OK
Cancel

- Launch your Web browser and enter the IP Address of your Wireless Access Point in the address bar. You should be able to see the login page of Wireless Access Point. Input administrator account and password to login.